

REMARKS

Claims 1 - 36 have been rejected under §§ 102, 103, and 112. These claims have been cancelled. Claims 24 and 35 were indicated as allowable if rewritten to overcome the § 112 rejection and to include all base claim limitations. This has been done in new independent claims 37 and 47.

Also submitted herewith is new claim 57 which Applicants believe defines patentable subject matter.

§ 102 and 112 Rejections

Claims have been rejected under § 102 based on Weirich et al (U.S. 6,176,123) have been canceled.

The new claims presented here correspond roughly to certain of the now cancelled claims as follows:

New Claim	Old Claim
37	15 + 24
38	16
39	17
40	18
41	19
42	20
43	21
44	22
45	23
46	25
47	26 + 35
48	27
49	28
50	29
51	30
52	31
53	32
54	33
55	34
56	36
57	new

Regarding the § 112 rejection of Claims 24 and 35, the new independent claims 37 and 46 have proper antecedent basis regarding the equipment command.

§ 103 Rejection

Claims rejected under § 103 based on Weirich et al in view of Hall(U.S. 4,807,469) have been cancelled.

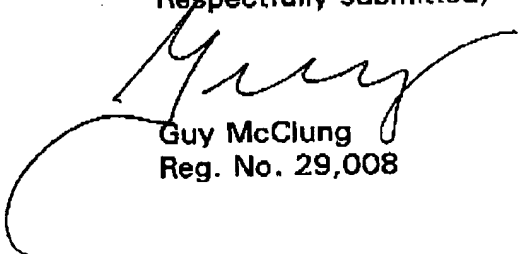
New Claim 57

New claim 57 is directed to commanding a down hole tool (see, e.g., Fig. 6 and, e.g., text of the Specification at Page 5, lines 5, 9). Weirich et al has no teaching or suggestion of commanding a down hole tool.

Conclusion

Applicants appreciate the careful and detailed Office Action. This is intended to be a complete Response to the Office Action. Early and favorable reconsideration is respectfully requested.

Respectfully submitted,


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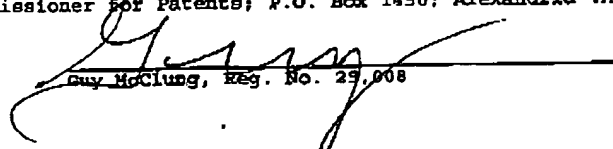
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